



Enduring Resources

475 17th Street Suite 1500 Denver Colorado 80202
Telephone 303 573-1222 Fax 303 573 0461

July 11, 2006

Bureau of Land Management
Vernal Field Office
170 South 500 East
Vernal, Utah 84078

Attention: Melissa Hawk

RE: Southam Canyon 10-24-44-18
Surface Location: SWSW Sec. 17-T10S-R24E
381' FSL – 871' FWL
Bottom Hole Location: SESE Sec. 18-T10S-R24E
657' FSL – 661' FEL
Uintah County, Utah - Lease Serial No.: UTU-75121

Dear Ms. Hawk:

Enclosed are three original applications to drill concerning the above-referenced proposed well. This information was also submitted to the State of Utah - Division of Oil, Gas, and Mining.

The Southam Canyon 10-24-14-17 Well has been added to the attached surveys since the on-site date. However, no changes have been made to the pad size, road location, or pipeline location, and no changes have been made to this well's surface or bottom hole locations.

Enduring Resources, LLC is requesting this application and all future information be held as confidential as long as permitted.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

ENDURING RESOURCES, LLC

Alvin R. (Al) Arlian
Landman-Regulatory Specialist

/ara
Enclosures as stated:

RECEIVED
JUL 14 2006
DIV. OF OIL, GAS & MINING



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DIV. OF OIL, GAS & MINING


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007


1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-75121
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Enduring Resources, LLC		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 475 17th Street, Suite 1500 Denver, CO 80202	3b. Phone No. (include area code) 303-350-5114	8. Lease Name and Well No. Southam Canyon 10-24-44-18
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 381' FSL - 871' FWL SWSW 17-10S-24E At proposed prod. zone 657' FSL - 661' FEL SESE 18-10S-24E		9. API Well No. 43-047-38373
11. Sec., T. R. M. or Blk. and Survey or Acrea Sec 17 T10S R24E S.L.B.&M.		10. Field and Pool, or Exploratory None
12. County or Parish Uintah		13. State UT
14. Distance in miles and direction from nearest town or post office* 10.7 miles Southwest from Bonanza, Utah	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 381' (SHL) 661' (BHL)	16. No. of acres in lease 640
17. Spacing Unit dedicated to this well 40 acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1000' +	19. Proposed Depth 6975'
20. BLM/BIA Bond No. on file BLM - UTB000173	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5110' KB-RT	22. Approximate date work will start* 09/01/2006
23. Estimated duration 20 days		24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Alvin R. (Al) Arlian	Date 07/11/2006
---------------------------------------------------------------------------------------------------	-----------------------------------------------------	---------------------------

Title
Landman-Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 07-27-06
-------------------------------------------------------------------------------------------------------------	------------------------------------------------	-------------------------

Title
ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Surf **Federal Approval of this Action is Necessary**

650016x

4422664Y

29. 43-047-38373

- 109.248979

P.H.L.

649598X

4422738Y

39.943444

- 109.248979

RECEIVED

JUL 14 2006

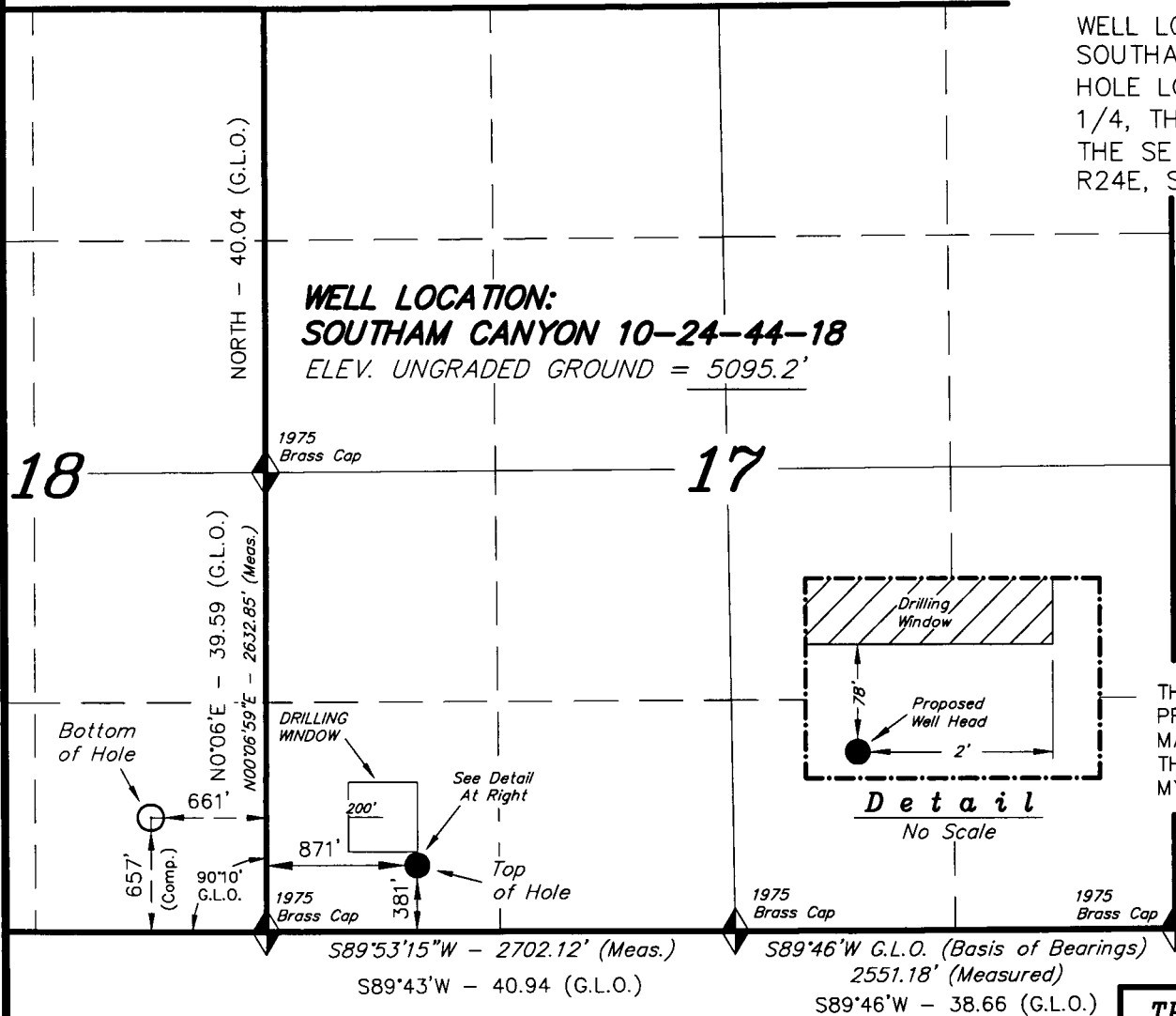
DIV. OF OIL, GAS & MINING

T10S, R24E, S.L.B.&M.

S89°32'W - 79.46 (G.L.O.)

ENDURING RESOURCES

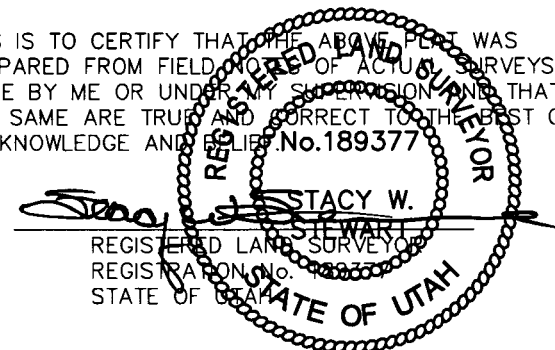
WELL LOCATION, TOP OF HOLE FOR THE SOUTHAM CANYON 10-24-44-18, THE TOP OF HOLE LOCATED AS SHOWN IN THE SW 1/4 SW 1/4, THE BOTTOM HOLE LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 18, T10S, R24E, S.L.B.&M. UTAH COUNTY, UTAH.



NOTES:

1. The Bottom of hole bears N79°51'59"W 1555.96' from the Top of Hole.
2. The Bottom of hole bears N45°07'00"W 930.81' from the Southeast Corner of Section 18.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (SOUTHAM CANYON)

SOUTHAM CANYON 10-24-44-18
 (Surface Location) NAD 83
 LATITUDE = 39° 56' 33.68"
 LONGITUDE = 109° 14' 39.19"

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE DRAWN: 03-07-06	SURVEYED BY: K.S.	SHEET 2 OF 10
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	

ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

July 26, 2006

State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801
Attention: Ms. Diana Whitney

RE: Exception Location and Directionally Drilled Well

Southam Canyon 10-24-44-18 Lease Serial No.: UTU - 75121

381' FSL - 871' FWL SW-SW (SHL) Sec 17, T10S-R24E S.L.B. & M.

657' FSL - 661' FEL SE-SE (BHL) Sec 18 T10S-R24E S.L.B. & M.

Uintah County, Utah

Dear Ms. Whitney:

Concerning the above-referred well, Enduring Resources, LLC respectfully requests:

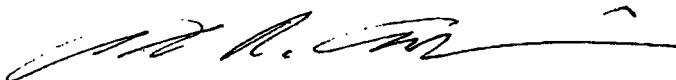
1. A spacing exception location, and
2. Permission to directionally drill the well.

This well is being directionally drilled from an exception location to limit surface damage and avoid drilling on steep slopes. The BHL [and all formation(s) produced] will be in the "assigned" 40-acre, drilling window.

Enduring Resources, LLC is the only lease owner within a 460' radius of any point of the well bore, the surface location, and the BHL.

Therefore, Enduring Resources, LLC hereby grants itself permission to directionally drill the well and the for the exception well locations.

Very truly yours

ENDURING RESOURCES, LLC

Alvin R. (Al) Arlian
Landman - Regulatory Specialist

ara/

JUL 26 2006

SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well.

Southam Canyon 10-24-44-18

Surface Location: SWSW Sec. 17-T10S-R24E

381' FSL – 871' FWL

BH Location: SESE Sec. 18-T10S-R24E

657' FSL – 661' FEL

Uintah County, Utah

Lease Serial No.: UTU-75121

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.



Alvin R. (Al) Arlian
Landman - Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, CO 80202
(303) 350-5114

July 11, 2006

**Enduring Resources, LLC
Southam Canyon 10-24-44-18
SE-SE 18-10S-24E
Uintah County, Utah
Federal Lease: UTU-75121**

ONSHORE ORDER 1 - DRILLING PLAN

1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	230
Wasatch	2980
Mesaverde	4820

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5110'	
Oil / Gas	Green River	230
Oil /Gas	Wasatch	2980
Oil /Gas	Mesaverde	4820
	Estimated TD	6975

A 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

4. Proposed Casing & Cementing Program:

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 6975' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
6975' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.75 (d)	7780/2.33 (e)	223/3.21(f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus,
no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

PROPOSED CEMENTING PROGRAM

Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft³/sx) cement will be premium cement w/ 3% CaCl₂.+0.25 pps celloflake. Volume as required

Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl ₂ + 0.25 pps celloflake	As Req.		15.8	1.15

Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	864	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	77	25	11.0	3.3
4-1/2"	Tail	4395	50/50 POZ Class G + 2% gel + 1% CaCl ₂ + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	802	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. **Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-6975' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. **Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,627 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,093 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. Anticipated Starting Dates:

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. Variances:

None anticipated

10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

Directions to the Southam Canyon 10-24-44-18 Well Pad (surface location)

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading south. Continue southerly on state Highway 45 for a distance of approximately 3.8 miles where you will cross the White River. Continue southeasterly along state highway 45 for a distance of approximately 1.8 miles where there is a turn off to the right. Turn right, leaving state highway 45, and proceed southwest for a distance of approximately 5.3 miles to where the road (County Road #4170) turns to the northwest. Continue on said road in a northwesterly direction for approximately 3.6 miles to the beginning of the proposed access. Turn right and proceed approximately 9,740' along the proposed access to the Southam Canyon 10-24-44-18 well pad.

Enduring Resources, LLC

Southam Canyon 10-24-44-18
SE/4SE/4-18-10S-24E (BHL)
Uintah County, Utah

Federal Lease: UTU - 75121

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the Southam Canyon 10-24-44-18 Well Pad (surface location)

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading south. Continue southerly on state Highway 45 for a distance of approximately 3.8 miles where you will cross the White River. Continue southeasterly along state highway 45 for a distance of approximately 1.8 miles where there is a turn off to the right. Turn right, leaving state highway 45, and proceed southwest for a distance of approximately 5.3 miles to where the road (County Road #4170) turns to the northwest. Continue on said road in a northwesterly direction for approximately 3.6 miles to the beginning of the proposed access. Turn right and proceed approximately 9,740' along the proposed access to the Southam Canyon 10-24-44-18 well pad.

2. Planned Access Roads:

The proposed access road will be approximately 9,740 feet of new construction all off-lease. Note: The well pad is off-lease and the well will be directionally drilled.

ALL NEW CONSTRUCTION IS ON BLM LANDS.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- | | | |
|----|--------|---------------------------------------------------------|
| a. | None: | Water Wells: |
| b. | None: | Injection Wells: |
| c. | None: | Producing Wells: |
| d. | None: | Drilling Wells: |
| e. | None: | Shut-in Wells: |
| f. | None: | Temporarily Abandoned Wells: |
| g. | None: | Disposal Wells: |
| h. | (Two): | Abandoned Wells: |
| | | 1. Fed H 12-19, Sec 19 |
| | | 2. Southman Canyon 10-24-12-19, Sec 19 |
| i. | None: | Dry Holes: |
| j. | None: | Observation Wells: |
| k. | One: | Pending (staked) Wells: |
| | | Enduring's Southam Canyon 10-24-14-17 (a vertical well) |
| | | will be drilled from this same well pad. |

4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be designated by BLM. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for this well will be:

-0-'	Surface Pipeline	On-Lease	BLM
9,740'	Surface Pipeline	Off-Lease	BLM

If this well is capable of economic production, a 4" (or less) steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 9,740 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road to tie-in to a steel surface pipeline that is located next to the county road (County Road 4170).

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior to commencing operations. (These permits have one-year terms and then must be renewed)

*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

8. Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #3, #4, and #5)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.

- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. Plans for Surface Reclamation:

Producing Location:

- a. Immediately upon well completion the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the BLM.

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: BLM

Access: BLM

Pipeline: BLM

12. Other Information**On-site Inspection for Location, Access and Pipeline Route:**

The on-site was conducted on June 28, 2006

Attendees:

Melissa Hawk	BLM
Brandon McDonald	BLM
Mike Stewart	Ponderosa Construction
Chris Stewart	Tristate
Cameron Stewart	Tristate
Doug Hammond	Enduring Resources

Special Conditions of Approval:

- Tanks and Production Equipment shall be Painted Desert Tan.
- Surface Gathering Pipeline shall be 4" or less

Archeology:

- a. A Cultural Resource Inventory Report has already been conducted and prepared by Montgomery Archeological Consults.

Paleontology:

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

13, Lessee's or Operator's Representatives:**Representatives:**

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461
aarlian@enduringresources.com

Teme Singleton
Drilling Engineer
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-573-5711
Fax Tel: 303-573-0461
tsingleton@enduringresources.com

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his/her/its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her/its contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Enduring Resources, LLC and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Please be advised that Enduring Resources, LLC is considered to be the operator of the Southam Canyon 12-24-44-18 Well; SE/4SE/4 (BHL) Section 18, Township 10 South, Range 24 East; Lease #:75121 Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Statewide Oil & Gas Lease Bond No. UTB000173 and State of Utah , Division of Oil, Gas & Mining Surety Bond No. RLB0008031

ENDURING RESOURCES, LLC

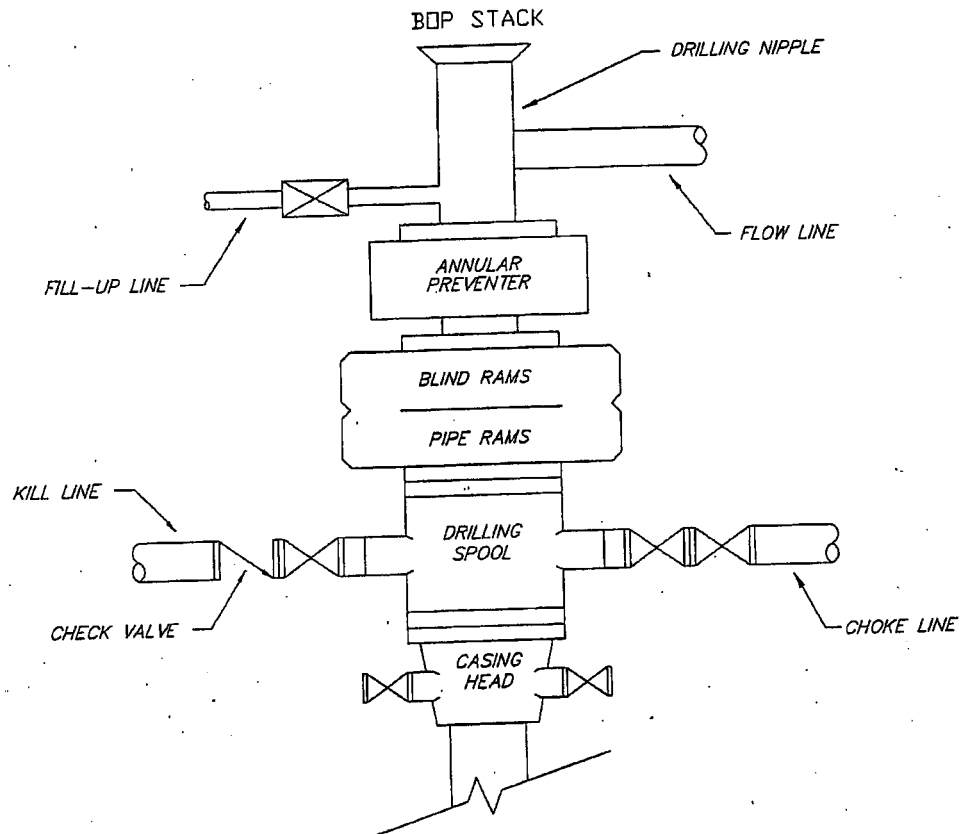


Alvin R. (Al) Arlian,
Landman – Regulatory Specialist

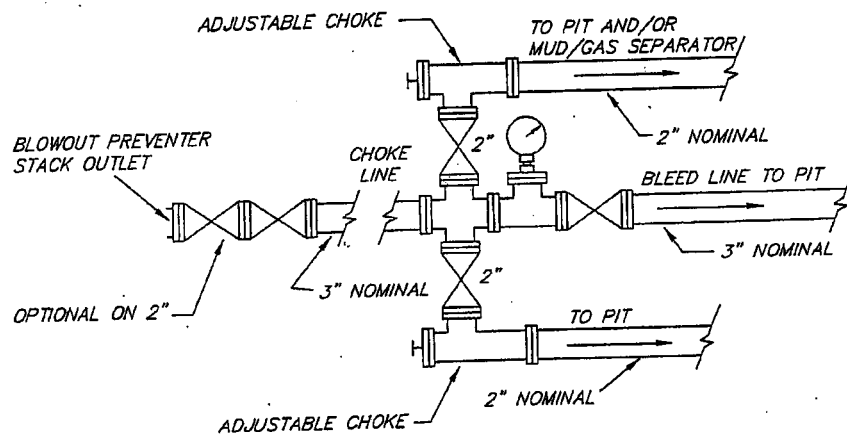
July 11, 2006

ENDURING RESOURCES, LLC

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC





ENDURING RESOURCES
Southam Canyon 10-24-44-18
SW/SW Sec. 17, T10S, R24E
Uintah County, Utah



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
3	1000.00	10.00	280.13	997.47	7.65	-42.84	2.00	280.13	43.52	Start Nudge
4	1950.00	10.00	280.13	1933.03	36.67	-205.24	0.00	0.00	208.49	End Nudge
5	2723.98	48.70	280.13	2594.92	102.13	-571.62	5.00	0.00	580.67	Start Build
6	3373.95	48.70	280.13	3023.91	188.01	-1052.30	0.00	0.00	1068.97	End Build
7	4591.43	0.00	280.13	4100.00	273.67	-1531.70	4.00	180.00	1555.96	Start Drop
8	7466.43	0.00	280.13	6975.00	273.67	-1531.70	0.00	280.13	1555.96	End Drop TD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Southam Canyon 10-24-44-18	0.00	0.00	7155837.31	2272805.60	39°56'33.680N	109°14'39.190W	N/A

FIELD DETAILS

Uintah, Utah
Utah Central Zone
U.S.A.

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

SW/SW 17-10S-24E
Sec. 17, T10S, R23E, Uintah County, Utah
381 FSL & 871 FWL

Site Centre Latitude: 39°56'33.680N
Longitude: 109°14'39.190W
Ground Level: 5094.10
Positional Uncertainty: 0.00
Convergence: 1.45

TARGET DETAILS

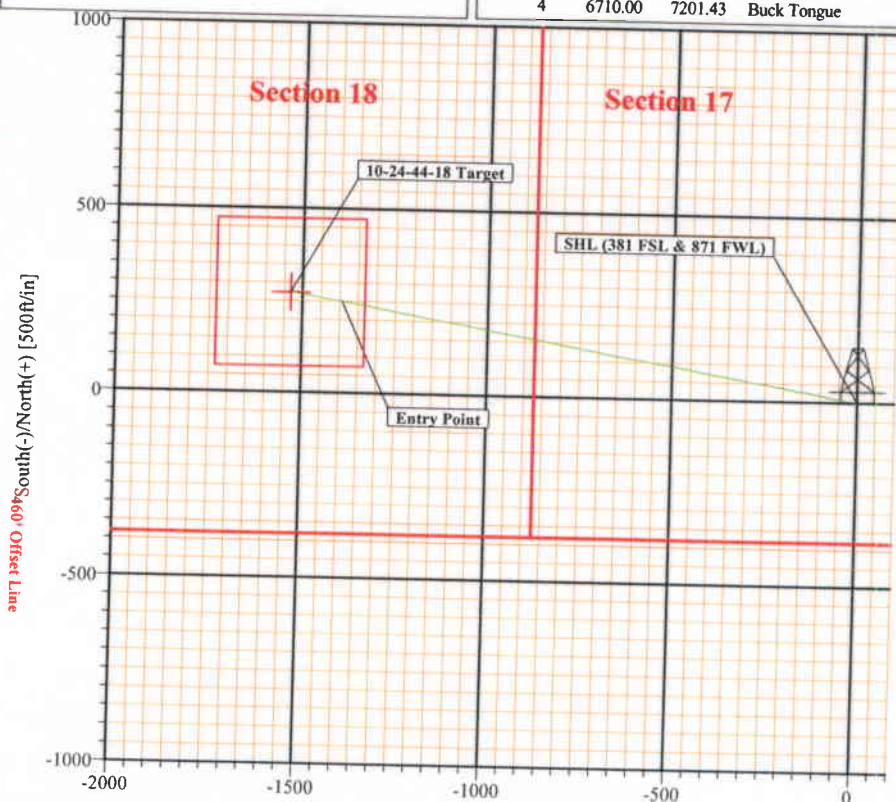
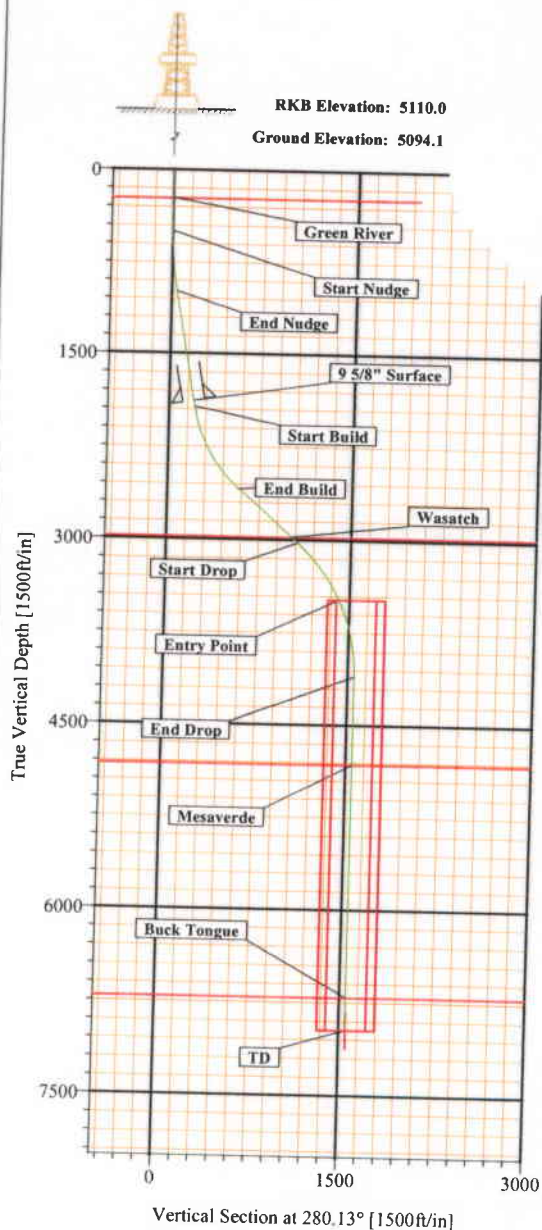
Name	TVD	+N/-S	+E/-W	Shape
10-24-44-18 Target	6975.00	273.67	-1531.70	Rectangle (400x400)

CASING DETAILS

No.	TVD	MD	Name	Size
1	1883.79	1900.00	9 5/8" Surface	9.625

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	230.00	230.00	Green River
2	2980.00	3307.42	Wasatch
3	4820.00	5311.43	Mesaverde
4	6710.00	7201.43	Buck Tongue



Created By: Scott Wallace 7/5/06

West(-)/East(+) [500ft/in]

Weatherford International

Planning Report

Company: Enduring Resources Field: Uintah, Utah Site: SW/SW 17-10S-24E Well: Southam Canyon 10-24-44-18 Wellpath: 1	Date: 7/5/2006 Time: 10:26:50 Page: 1 Co-ordinate(NE) Reference: Well, Southam Canyon 10-24-44-18 Vertical (TVD) Reference: SITE 5110.0 Section (VS) Reference: Well (0.00N,0.00E,280.13Azi) Plan: Plan #1
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Field: Uintah, Utah Utah Central Zone U.S.A. Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level	Map Zone: Utah, Central Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

Site: SW/SW 17-10S-24E
 Sec. 17, T10S, R23E, Uintah County, Utah
 381 FSL & 871 FWL

Site Position:	Northings: 7155837.31 ft	Latitude: 39 56 33.680 N
From: Geographic	Easting: 2272805.60 ft	Longitude: 109 14 39.190 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 5094.10 ft		Grid Convergence: 1.45 deg

Well: Southam Canyon 10-24-44-18

Well Position:	Slot Name:
+N/-S 0.00 ft	
+E/-W 0.00 ft	
Position Uncertainty: 0.00 ft	

Wellpath: 1

Current Datum: SITE	Height 5110.00 ft	Drilled From: Surface
Magnetic Data: 7/5/2006		Tie-on Depth: 0.00 ft
Field Strength: 52884 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)		Declination: 11.59 deg
ft	+N/-S ft	Mag Dip Angle: 66.00 deg
0.00	0.00	+E/-W ft
		Direction deg
		280.13

Plan: Plan #1	Date Composed: 7/5/2006
Principal: Yes	Version: 1
	Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	10.00	280.13	997.47	7.65	-42.84	2.00	2.00	0.00	280.13	
1950.00	10.00	280.13	1933.03	36.67	-205.24	0.00	0.00	0.00	0.00	
2723.98	48.70	280.13	2594.92	102.13	-571.62	5.00	5.00	0.00	0.00	
3373.95	48.70	280.13	3023.91	188.01	-1052.30	0.00	0.00	0.00	0.00	
4591.43	0.00	280.13	4100.00	273.67	-1531.70	4.00	-4.00	0.00	180.00	
7466.43	0.00	280.13	6975.00	273.67	-1531.70	0.00	0.00	0.00	280.13	10-24-44-18 Target

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
600.00	2.00	280.13	599.98	0.31	-1.72	1.75	2.00	2.00	0.00	0.00
700.00	4.00	280.13	699.84	1.23	-6.87	6.98	2.00	2.00	0.00	0.00
800.00	6.00	280.13	799.45	2.76	-15.45	15.69	2.00	2.00	0.00	0.00
900.00	8.00	280.13	898.70	4.90	-27.45	27.88	2.00	2.00	0.00	0.00
1000.00	10.00	280.13	997.47	7.65	-42.84	43.52	2.00	2.00	0.00	0.00

Weatherford International

Planning Report

Company: Enduring Resources
Field: Uintah, Utah
Site: SW/SW 17-10S-24E
Well: Southam Canyon 10-24-44-18
Wellpath: 1

Date: 7/5/2006 **Time:** 10:28:50 **Page:** 2
Co-ordinate(N/E) Reference: Well: Southam Canyon 10-24-44-18
Vertical (TVD) Reference: SITE 5110.0
Section (VS) Reference: Well (0.00N,0.00E,280.13Azi)
Plan: Plan #1

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1100.00	10.00	280.13	1095.95	10.71	-59.94	60.89	0.00	0.00	0.00	0.00
1200.00	10.00	280.13	1194.43	13.76	-77.03	78.25	0.00	0.00	0.00	0.00
1300.00	10.00	280.13	1292.91	16.82	-94.13	95.62	0.00	0.00	0.00	0.00
1400.00	10.00	280.13	1391.39	19.87	-111.22	112.98	0.00	0.00	0.00	0.00
1500.00	10.00	280.13	1489.87	22.93	-128.31	130.35	0.00	0.00	0.00	0.00
1600.00	10.00	280.13	1588.35	25.98	-145.41	147.71	0.00	0.00	0.00	0.00
1700.00	10.00	280.13	1686.83	29.03	-162.50	165.08	0.00	0.00	0.00	0.00
1800.00	10.00	280.13	1785.31	32.09	-179.60	182.44	0.00	0.00	0.00	0.00
1900.00	10.00	280.13	1883.79	35.14	-196.69	199.81	0.00	0.00	0.00	0.00
1950.00	10.00	280.13	1933.03	36.67	-205.24	208.49	0.00	0.00	0.00	0.00

Section 4 : Start Build 5.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2000.00	12.50	280.13	1982.07	38.38	-214.84	218.24	5.00	5.00	0.00	0.00
2100.00	17.50	280.13	2078.63	42.94	-240.31	244.12	5.00	5.00	0.00	0.00
2200.00	22.50	280.13	2172.57	48.95	-273.97	278.31	5.00	5.00	0.00	0.00
2300.00	27.50	280.13	2263.17	56.38	-315.56	320.56	5.00	5.00	0.00	0.00
2400.00	32.50	280.13	2349.75	65.17	-364.76	370.54	5.00	5.00	0.00	0.00
2500.00	37.50	280.13	2431.64	75.26	-421.21	427.88	5.00	5.00	0.00	0.00
2600.00	42.50	280.13	2508.22	86.56	-484.47	492.14	5.00	5.00	0.00	0.00
2700.00	47.50	280.13	2578.90	98.99	-554.05	562.83	5.00	5.00	0.00	0.00
2723.98	48.70	280.13	2594.92	102.13	-571.62	580.67	5.00	5.00	0.00	0.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2800.00	48.70	280.13	2645.09	112.17	-627.84	637.78	0.00	0.00	0.00	0.00
2900.00	48.70	280.13	2711.09	125.39	-701.80	712.91	0.00	0.00	0.00	0.00
3000.00	48.70	280.13	2777.10	138.60	-775.75	788.03	0.00	0.00	0.00	0.00
3100.00	48.70	280.13	2843.10	151.81	-849.70	863.16	0.00	0.00	0.00	0.00
3200.00	48.70	280.13	2909.10	165.03	-923.66	938.28	0.00	0.00	0.00	0.00
3300.00	48.70	280.13	2975.10	178.24	-997.61	1013.41	0.00	0.00	0.00	0.00
3307.42	48.70	280.13	2980.00	179.22	-1003.10	1018.99	0.00	0.00	0.00	0.00
3373.95	48.70	280.13	3023.91	188.01	-1052.30	1068.97	0.00	0.00	0.00	0.00

Section 6 : Start Drop -4.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3400.00	47.66	280.13	3041.28	191.43	-1071.41	1088.38	4.00	-4.00	0.00	180.00
3500.00	43.66	280.13	3111.16	204.00	-1141.80	1159.88	4.00	-4.00	0.00	180.00
3600.00	39.66	280.13	3185.86	215.69	-1207.22	1226.33	4.00	-4.00	0.00	180.00
3700.00	35.66	280.13	3265.01	226.43	-1267.35	1287.42	4.00	-4.00	0.00	180.00
3800.00	31.66	280.13	3348.23	236.18	-1321.89	1342.83	4.00	-4.00	0.00	180.00
3900.00	27.66	280.13	3435.11	244.88	-1370.59	1392.30	4.00	-4.00	0.00	180.00
3950.23	25.65	280.13	3480.00	248.84	-1392.77	1414.83	4.00	-4.00	0.00	180.00
4000.00	23.66	280.13	3525.23	252.49	-1413.21	1435.59	4.00	-4.00	0.00	180.00
4100.00	19.66	280.13	3618.16	258.98	-1449.53	1472.48	4.00	-4.00	0.00	180.00
4200.00	15.66	280.13	3713.43	264.32	-1479.38	1502.81	4.00	-4.00	0.00	180.00
4300.00	11.66	280.13	3810.58	268.47	-1502.62	1526.42	4.00	-4.00	0.00	180.00
4400.00	7.66	280.13	3909.14	271.42	-1519.13	1543.19	4.00	-4.00	0.00	180.00
4500.00	3.66	280.13	4008.63	273.15	-1528.83	1553.04	4.00	-4.00	0.00	180.00
4591.43	0.00	280.13	4100.00	273.67	-1531.70	1555.96	4.00	-4.00	0.00	180.00

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4600.00	0.00	280.13	4108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
4700.00	0.00	280.13	4208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
4800.00	0.00	280.13	4308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13

Weatherford International

Planning Report

Company: Enduring Resources
Field: Uintah, Utah
Site: SW/SW 17-10S-24E
Well: Southam Canyon 10-24-44-18
Wellpath: 1

Date: 7/5/2008 **Time:** 10:26:50 **Page:** 3
Co-ordinate(N/E) Reference: Well: Southam Canyon 10-24-44-18
Vertical (TVD) Reference: SITE 5110.0
Section (VS) Reference: Well (0.00N,0.00E,280.13Azi)
Plan: Plan #1

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4900.00	0.00	280.13	4408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5000.00	0.00	280.13	4508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5100.00	0.00	280.13	4608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5200.00	0.00	280.13	4708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5300.00	0.00	280.13	4808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5311.43	0.00	280.13	4820.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5400.00	0.00	280.13	4908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5500.00	0.00	280.13	5008.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5600.00	0.00	280.13	5108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5700.00	0.00	280.13	5208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5800.00	0.00	280.13	5308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
5900.00	0.00	280.13	5408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6000.00	0.00	280.13	5508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6100.00	0.00	280.13	5608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6200.00	0.00	280.13	5708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6300.00	0.00	280.13	5808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6400.00	0.00	280.13	5908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6500.00	0.00	280.13	6008.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6600.00	0.00	280.13	6108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6700.00	0.00	280.13	6208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6800.00	0.00	280.13	6308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
6900.00	0.00	280.13	6408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7000.00	0.00	280.13	6508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7100.00	0.00	280.13	6608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7200.00	0.00	280.13	6708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7201.43	0.00	280.13	6710.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7300.00	0.00	280.13	6808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7400.00	0.00	280.13	6908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13
7466.43	0.00	280.13	6975.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	280.13

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Nudge
600.00	2.00	280.13	599.98	0.31	-1.72	1.75	2.00	2.00	0.00	MWD
700.00	4.00	280.13	699.84	1.23	-6.87	6.98	2.00	2.00	0.00	MWD
800.00	6.00	280.13	799.45	2.76	-15.45	15.69	2.00	2.00	0.00	MWD
900.00	8.00	280.13	898.70	4.90	-27.45	27.88	2.00	2.00	0.00	MWD
1000.00	10.00	280.13	997.47	7.65	-42.84	43.52	2.00	2.00	0.00	End Nudge
1100.00	10.00	280.13	1095.95	10.71	-59.94	60.89	0.00	0.00	0.00	MWD
1200.00	10.00	280.13	1194.43	13.76	-77.03	78.25	0.00	0.00	0.00	MWD
1300.00	10.00	280.13	1292.91	16.82	-94.13	95.62	0.00	0.00	0.00	MWD
1400.00	10.00	280.13	1391.39	19.87	-111.22	112.98	0.00	0.00	0.00	MWD
1500.00	10.00	280.13	1489.87	22.93	-128.31	130.35	0.00	0.00	0.00	MWD
1600.00	10.00	280.13	1588.35	25.98	-145.41	147.71	0.00	0.00	0.00	MWD
1700.00	10.00	280.13	1686.83	29.03	-162.50	165.08	0.00	0.00	0.00	MWD
1800.00	10.00	280.13	1785.31	32.09	-179.60	182.44	0.00	0.00	0.00	MWD
1900.00	10.00	280.13	1883.79	35.14	-196.69	199.81	0.00	0.00	0.00	9 5/8" Surface
1950.00	10.00	280.13	1933.03	36.67	-205.24	208.49	0.00	0.00	0.00	Start Build
2000.00	12.50	280.13	1982.07	38.38	-214.84	218.24	5.00	5.00	0.00	MWD
2100.00	17.50	280.13	2078.63	42.94	-240.31	244.12	5.00	5.00	0.00	MWD
2200.00	22.50	280.13	2172.57	48.95	-273.97	278.31	5.00	5.00	0.00	MWD
2300.00	27.50	280.13	2263.17	56.38	-315.56	320.56	5.00	5.00	0.00	MWD
2400.00	32.50	280.13	2349.75	65.17	-364.76	370.54	5.00	5.00	0.00	MWD
2500.00	37.50	280.13	2431.64	75.26	-421.21	427.88	5.00	5.00	0.00	MWD
2600.00	42.50	280.13	2508.22	86.56	-484.47	492.14	5.00	5.00	0.00	MWD
2700.00	47.50	280.13	2578.90	98.99	-554.05	562.83	5.00	5.00	0.00	MWD
2723.98	48.70	280.13	2594.92	102.13	-571.62	580.67	5.00	5.00	0.00	End Build

Weatherford International

Planning Report

Company: Enduring Resources
Field: Uintah, Utah
Site: SW/SW 17-10S-24E
Well: Southam Canyon 10-24-44-18
Wellpath: 1

Date: 7/5/2006 **Time:** 10:28:50 **Page:** 4
Co-ordinate(NE) Reference: Well: Southam Canyon 10-24-44-18
Vertical (TVD) Reference: SITE 5110.0
Section (VS) Reference: Well (0.00N,0.00E,280.13Az)
Plan: Plan #1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2800.00	48.70	280.13	2645.09	112.17	-627.84	637.78	0.00	0.00	0.00	MWD
2900.00	48.70	280.13	2711.09	125.39	-701.80	712.91	0.00	0.00	0.00	MWD
3000.00	48.70	280.13	2777.10	138.60	-775.75	788.03	0.00	0.00	0.00	MWD
3100.00	48.70	280.13	2843.10	151.81	-849.70	863.16	0.00	0.00	0.00	MWD
3200.00	48.70	280.13	2909.10	165.03	-923.66	938.28	0.00	0.00	0.00	MWD
3300.00	48.70	280.13	2975.10	178.24	-997.61	1013.41	0.00	0.00	0.00	MWD
3307.42	48.70	280.13	2980.00	179.22	-1003.10	1018.99	0.00	0.00	0.00	Wasatch
3373.95	48.70	280.13	3023.91	188.01	-1052.30	1068.97	0.00	0.00	0.00	Start Drop
3400.00	47.66	280.13	3041.28	191.43	-1071.41	1088.38	4.00	-4.00	0.00	MWD
3500.00	43.66	280.13	3111.16	204.00	-1141.80	1159.88	4.00	-4.00	0.00	MWD
3600.00	39.66	280.13	3185.86	215.69	-1207.22	1226.33	4.00	-4.00	0.00	MWD
3700.00	35.66	280.13	3265.01	226.43	-1267.35	1287.42	4.00	-4.00	0.00	MWD
3800.00	31.66	280.13	3348.23	236.18	-1321.89	1342.83	4.00	-4.00	0.00	MWD
3900.00	27.66	280.13	3435.11	244.88	-1370.59	1392.30	4.00	-4.00	0.00	MWD
3950.23	25.65	280.13	3480.00	248.84	-1392.77	1414.83	4.00	-4.00	0.00	Entry Point
4000.00	23.66	280.13	3525.23	252.49	-1413.21	1435.59	4.00	-4.00	0.00	MWD
4100.00	19.66	280.13	3618.16	258.98	-1449.53	1472.48	4.00	-4.00	0.00	MWD
4200.00	15.66	280.13	3713.43	264.32	-1479.38	1502.81	4.00	-4.00	0.00	MWD
4300.00	11.66	280.13	3810.58	268.47	-1502.62	1526.42	4.00	-4.00	0.00	MWD
4400.00	7.66	280.13	3909.14	271.42	-1519.13	1543.19	4.00	-4.00	0.00	MWD
4500.00	3.66	280.13	4008.63	273.15	-1528.83	1553.04	4.00	-4.00	0.00	MWD
4591.43	0.00	280.13	4100.00	273.67	-1531.70	1555.96	4.00	-4.00	0.00	End Drop
4600.00	0.00	280.13	4108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
4700.00	0.00	280.13	4208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
4800.00	0.00	280.13	4308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
4900.00	0.00	280.13	4408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5000.00	0.00	280.13	4508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5100.00	0.00	280.13	4608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5200.00	0.00	280.13	4708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5300.00	0.00	280.13	4808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5311.43	0.00	280.13	4820.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	Mesaverde
5400.00	0.00	280.13	4908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5500.00	0.00	280.13	5008.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5600.00	0.00	280.13	5108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5700.00	0.00	280.13	5208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5800.00	0.00	280.13	5308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
5900.00	0.00	280.13	5408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6000.00	0.00	280.13	5508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6100.00	0.00	280.13	5608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6200.00	0.00	280.13	5708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6300.00	0.00	280.13	5808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6400.00	0.00	280.13	5908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6500.00	0.00	280.13	6008.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6600.00	0.00	280.13	6108.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6700.00	0.00	280.13	6208.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6800.00	0.00	280.13	6308.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
6900.00	0.00	280.13	6408.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7000.00	0.00	280.13	6508.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7100.00	0.00	280.13	6608.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7200.00	0.00	280.13	6708.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7201.43	0.00	280.13	6710.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	Buck Tongue
7300.00	0.00	280.13	6808.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7400.00	0.00	280.13	6908.57	273.67	-1531.70	1555.96	0.00	0.00	0.00	MWD
7466.43	0.00	280.13	6975.00	273.67	-1531.70	1555.96	0.00	0.00	0.00	10-24-44-18 Target

Weatherford International

Planning Report

Company: Enduring Resources Field: Uintah, Utah Site: SW/SW 17-10S-24E Well: Southam Canyon 10-24-44-18 Wellpath: 1	Date: 7/5/2008 Co-ordinate(NE) Reference: Well: Southam Canyon 10-24-44-18 Vertical (TVD) Reference: SITE 5110.0 Section (VS) Reference: Well (0.00N,0.00E,280.13Azi) Plan: Plan #1
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Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec		Longitude Deg Min Sec	
10-24-44-18 Target -Rectangle (400x400) -Plan hit target		6975.00	273.67	-1531.70	7156072.26	2271267.48	39	56	36.384	N 109 14 58.858 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
1900.00	1883.79	9.625	12.250	9 5/8" Surface

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
230.00	230.00	Green River		0.00	0.00
3307.42	2980.00	Wasatch		0.00	0.00
5311.43	4820.00	Mesaverde		0.00	0.00
7201.43	6710.00	Buck Tongue		0.00	0.00

Annotation

MD ft	TVD ft	
500.00	500.00	SHL (381 FSL & 871 FWL)
1000.00	997.47	Start Nudge
1950.00	1933.03	End Nudge
2723.98	2594.92	Start Build
3373.95	3023.91	End Build
3950.23	3480.00	Start Drop
4591.43	4100.00	Entry Point
7466.43	6975.00	End Drop
		TD

ENDURING RESOURCES

WELL PAD INTERFERENCE PLAT

SOUTHAM CANYON 10-24-44-18

BHL: Section 18, T10S, R24E, S.L.B.&M.
(SHL: Section 17, T10S, R24E, S.L.B.&M.)

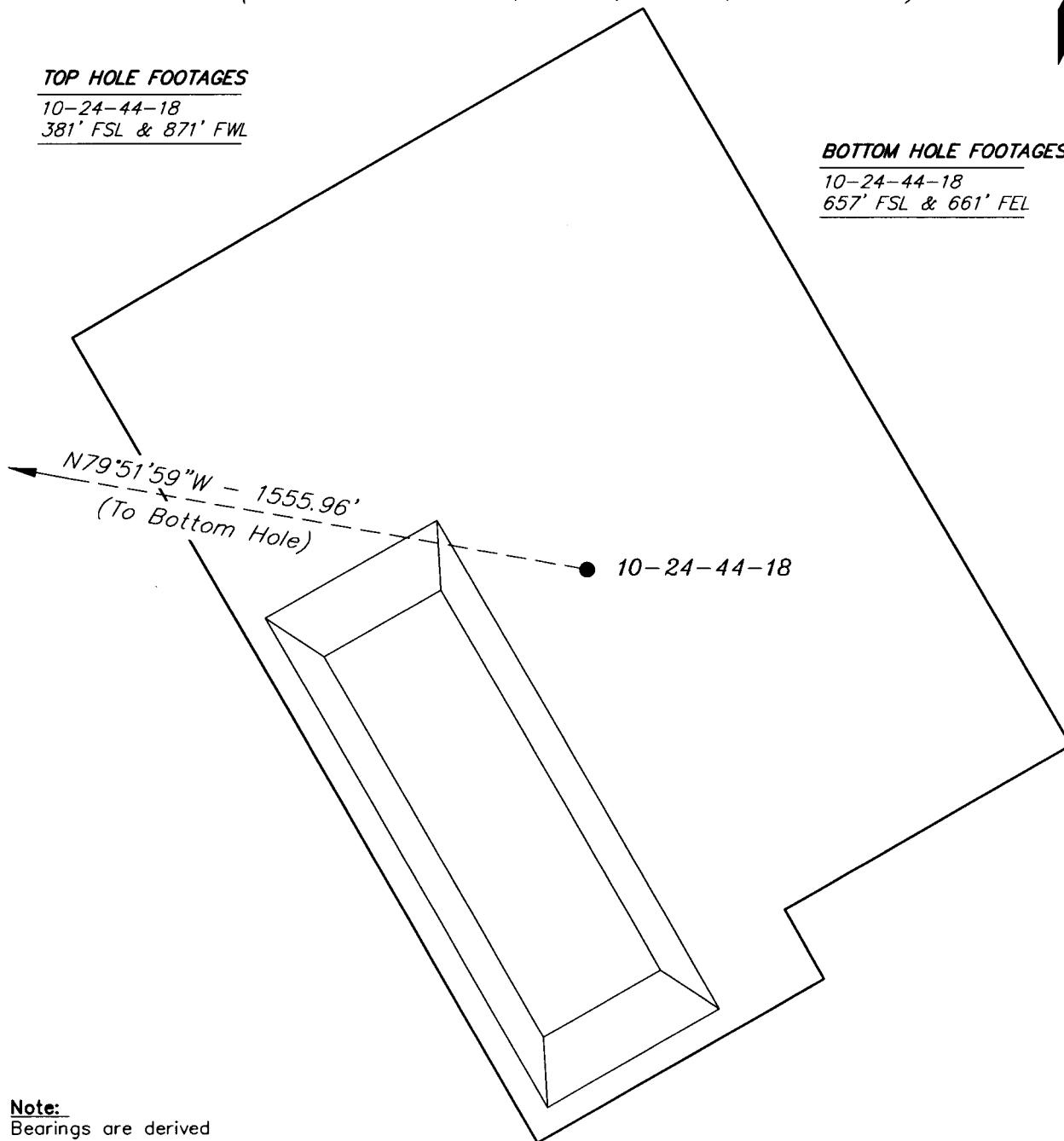


TOP HOLE FOOTAGES

10-24-44-18
381' FSL & 871' FWL

BOTTOM HOLE FOOTAGES

10-24-44-18
657' FSL & 661' FEL



Note:

Bearings are derived
using true North.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
44-18	273'	-1,532'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
44-18	39° 56' 33.68"	109° 14' 39.19"

SURVEYED BY: K.S. DATE DRAWN: 03-07-06

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET

3

OF 10

ENDURING RESOURCES

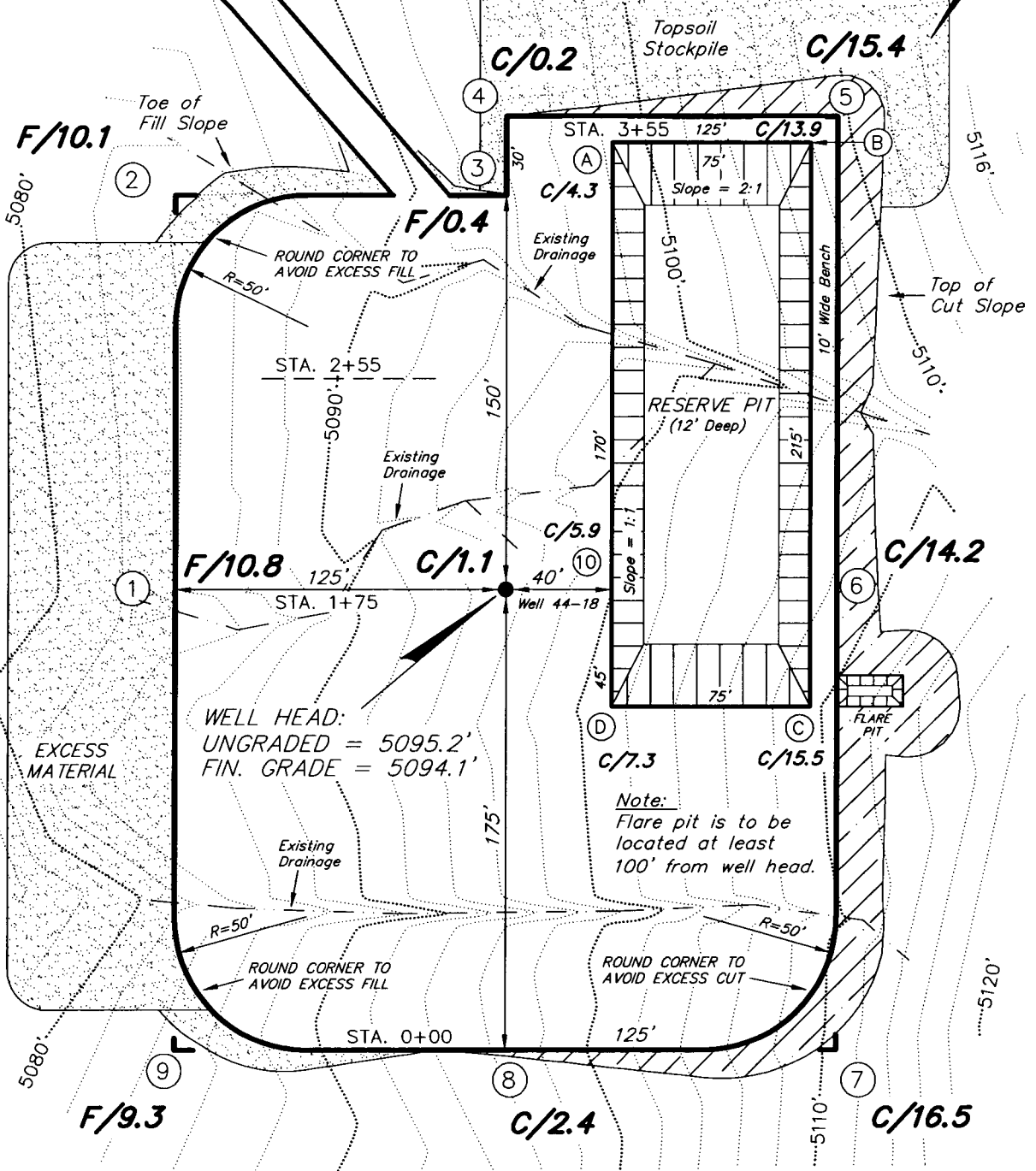
SOUTHAM CANYON 10-24-44-18

BHL: Section 18, T10S, R24E, S.L.B.&M.

(SHL: Section 17, T10S, R24E, S.L.B.&M.)

PROPOSED
ACCESS ROAD

PREVAILING WIND



WELL HEAD:
UNGRADED = 5095.2'
FIN. GRADE = 5094.1'

Note:
Flare pit is to be
located at least
100' from well head.

REFERENCE POINTS

175' NORTHEAST = 5079.5'
225' NORTHEAST = 5076.5'
225' NORTHWEST = 5094.2'
275' NORTHWEST = 5099.0'

SURVEYED BY: K.S. DATE DRAWN: 03-07-06

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET

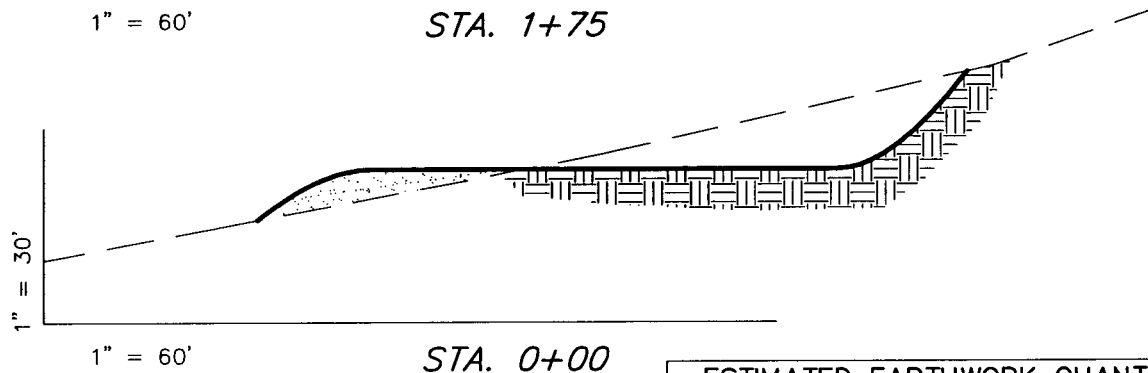
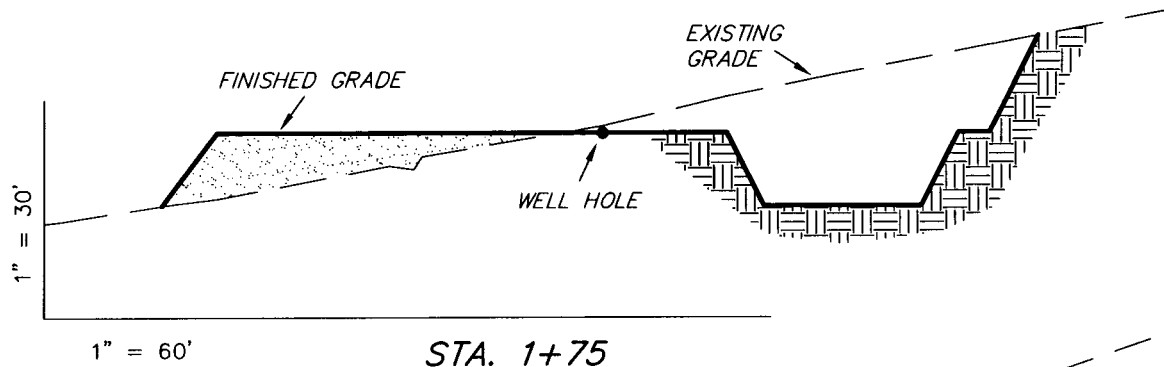
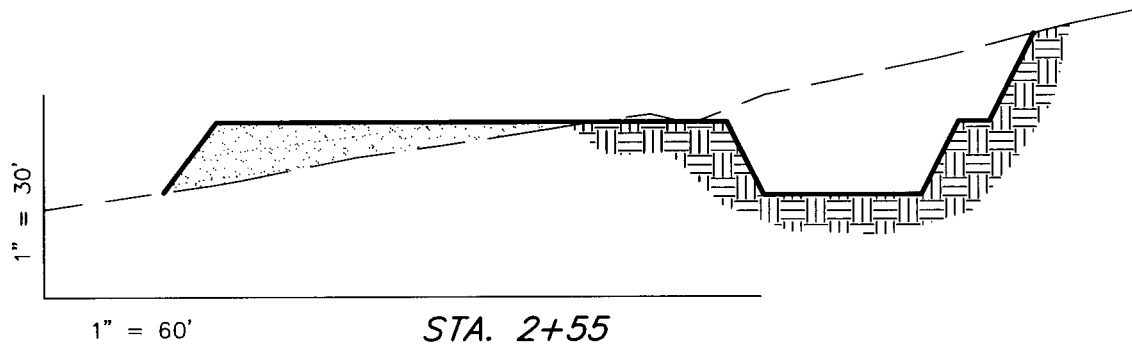
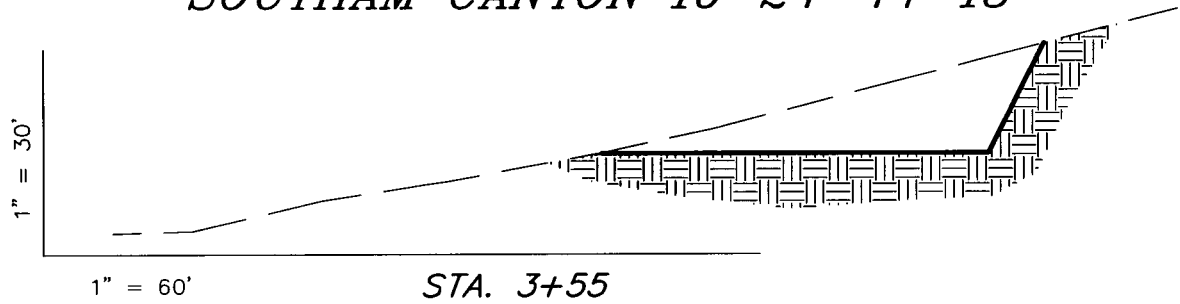
4

OF 10

ENDURING RESOURCES

CROSS SECTIONS

SOUTHAM CANYON 10-24-44-18



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	14,190	8,550	Topsoil is not included in Pad Cut	5,640
PIT	5,390	0		5,390
TOTALS	19,580	8,550	1,840	11,030

SURVEYED BY: K.S. DATE DRAWN: 03-07-06

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

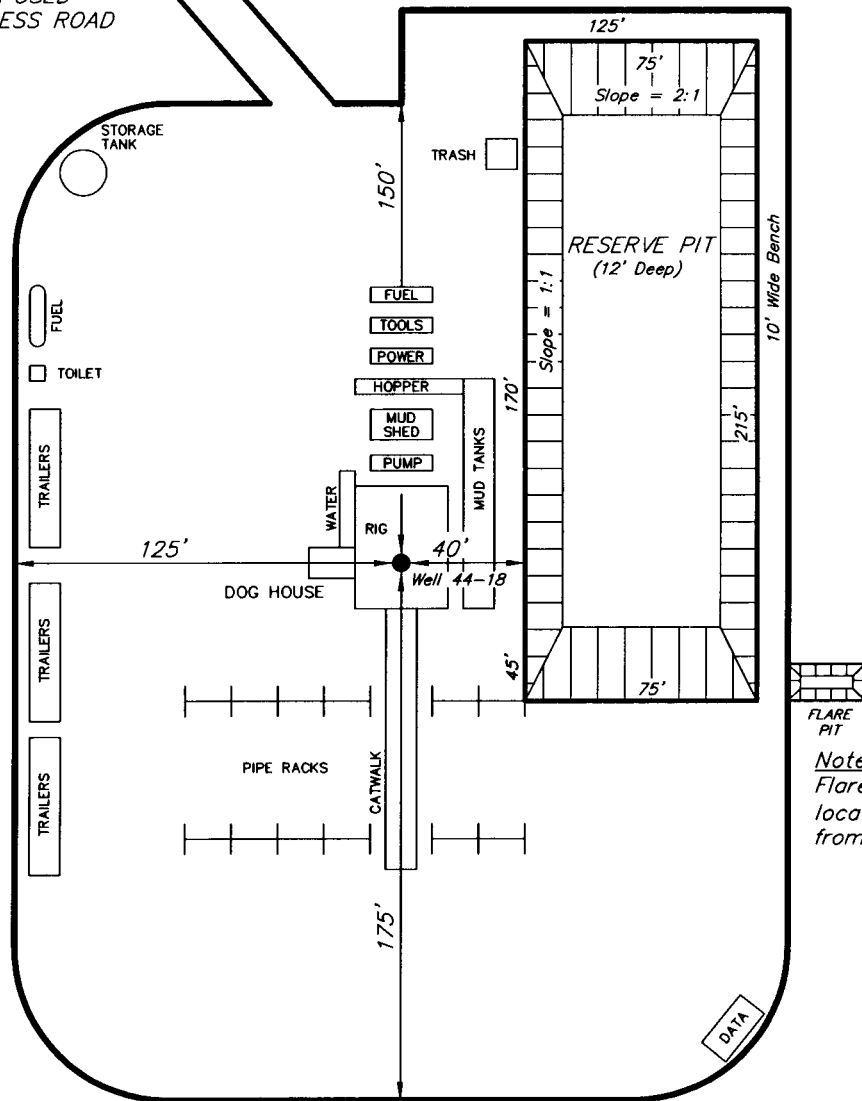
SHEET
5
OF 10

ENDURING RESOURCES

TYPICAL RIG LAYOUT

SOUTHAM CANYON 10-24-44-18

PROPOSED
ACCESS ROAD



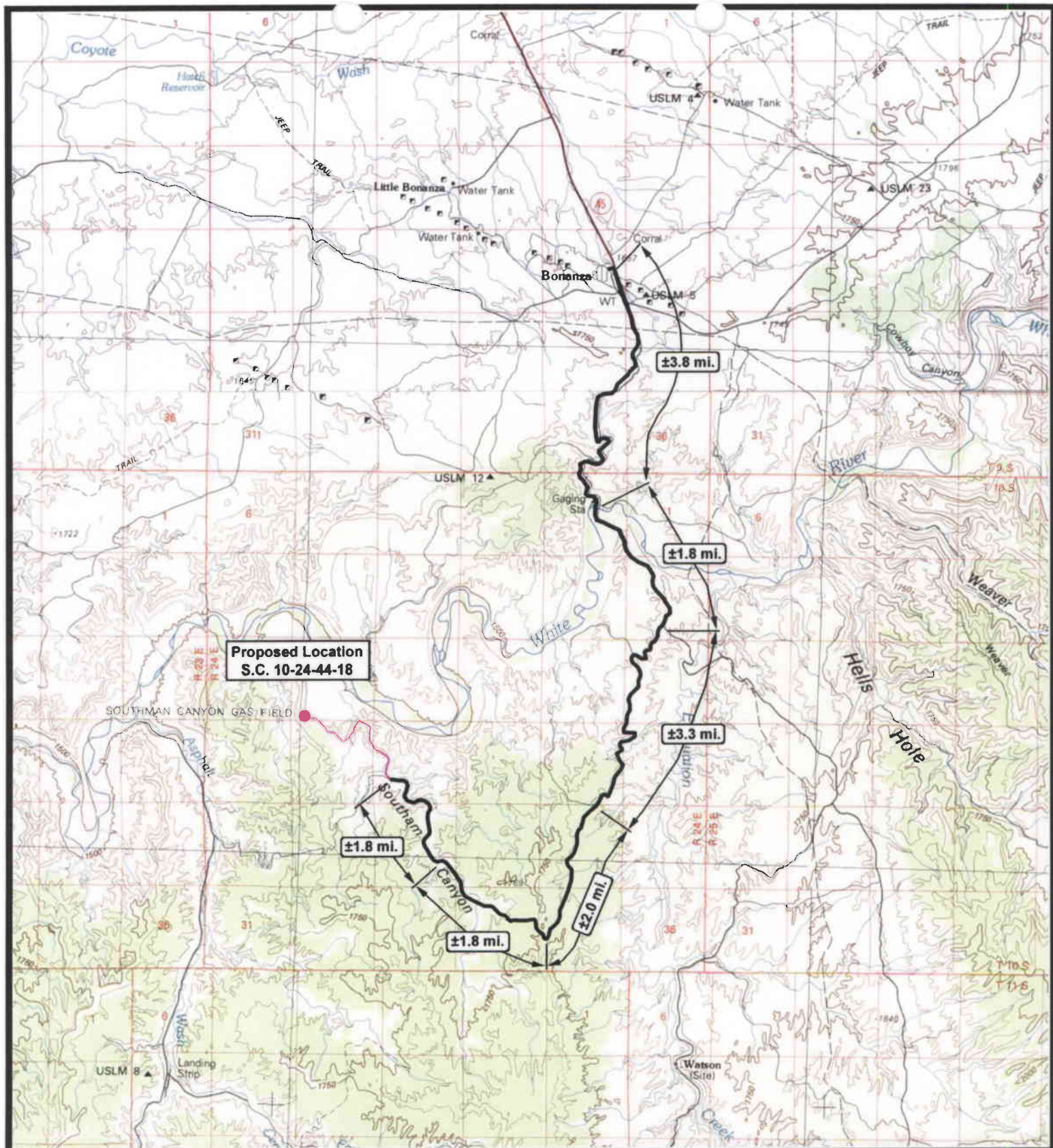
FLARE
PIT

Note:
Flare pit is to be
located at least 100'
from well head.

SURVEYED BY: K.S. DATE DRAWN: 03-07-06
DRAWN BY: F.T.M. SCALE: 1" = 60'
NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
6
OF 10



ENDURING RESOURCES

Southam Canyon 10-24-44-18
BHL: Sec. 17, T10S, R24E, S.L.B.&M.
(SHL: Sec. 18, T10S, R24E, S.L.B.&M.)



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-07-2006

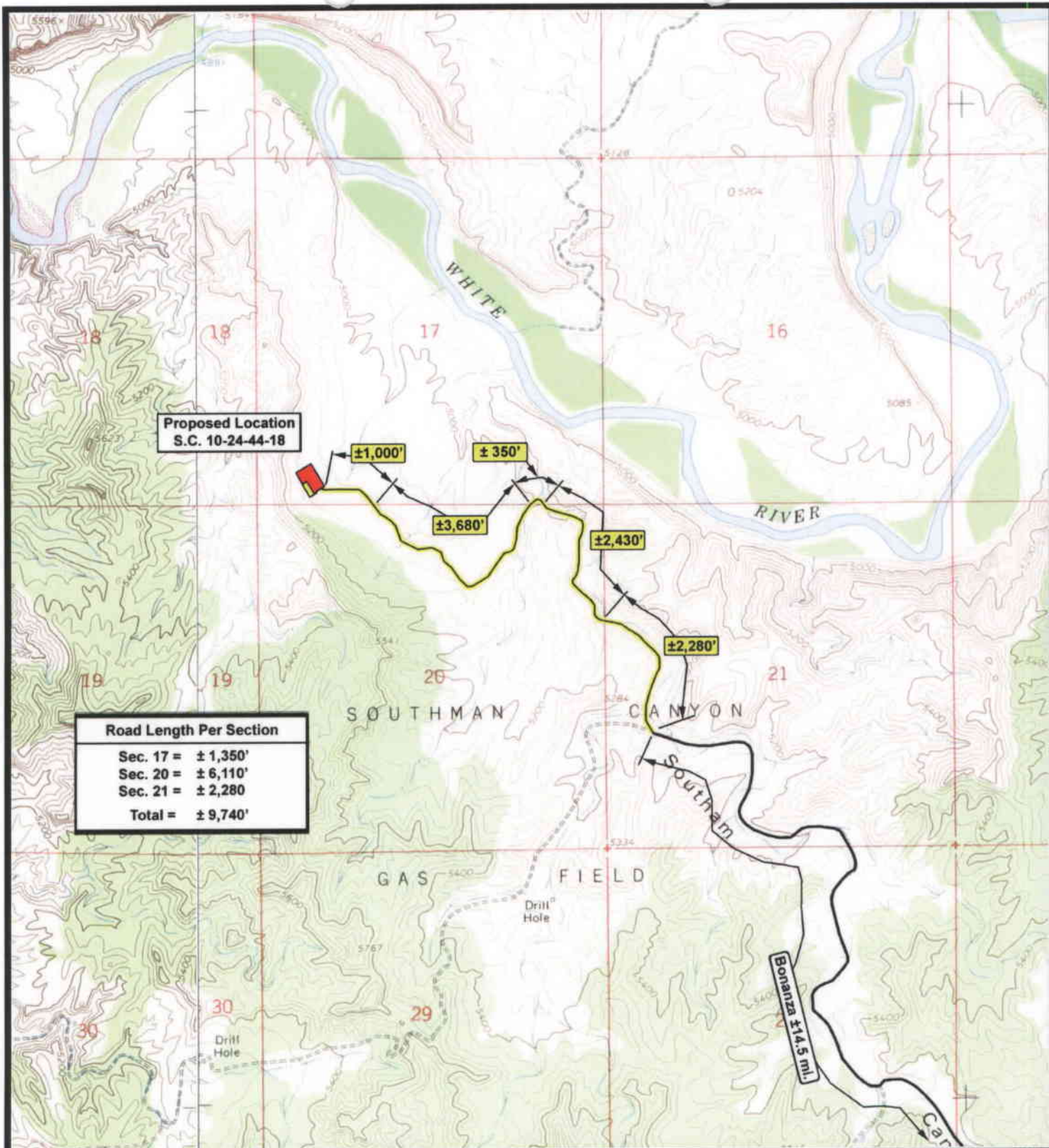
Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP **SHEET**

"A"

7
OF 10

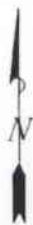


Road Length Per Section	
Sec. 17 =	± 1,350'
Sec. 20 =	± 6,110'
Sec. 21 =	± 2,280'
Total =	± 9,740'



ENDURING RESOURCES

Southman Canyon 10-24-44-18
BHL: Sec. 17, T10S, R24E, S.L.B.&M.
(SHL: Sec. 18, T10S, R24E, S.L.B.&M.)

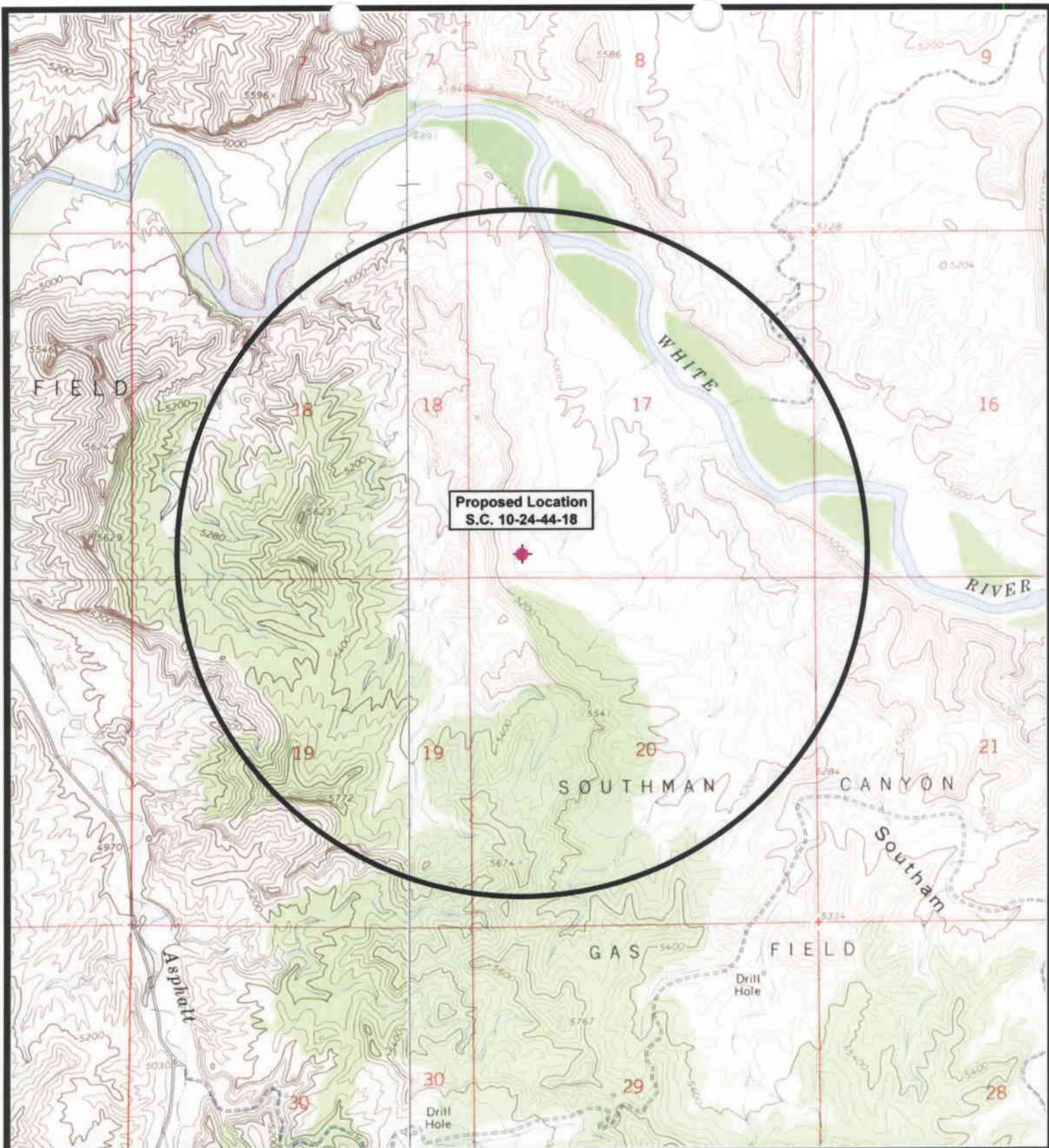


Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 07-06-2006

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP	SHEET
"B"	8
	OF 10



ENDURING RESOURCES

Southman Canyon 10-24-44-18
BHL: Sec. 17, T10S, R24E, S.L.B.&M.
(SHL: Sec. 18, T10S, R24E, S.L.B.&M.)



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 03-08-2006

Legend

- Location
- One-Mile Radius

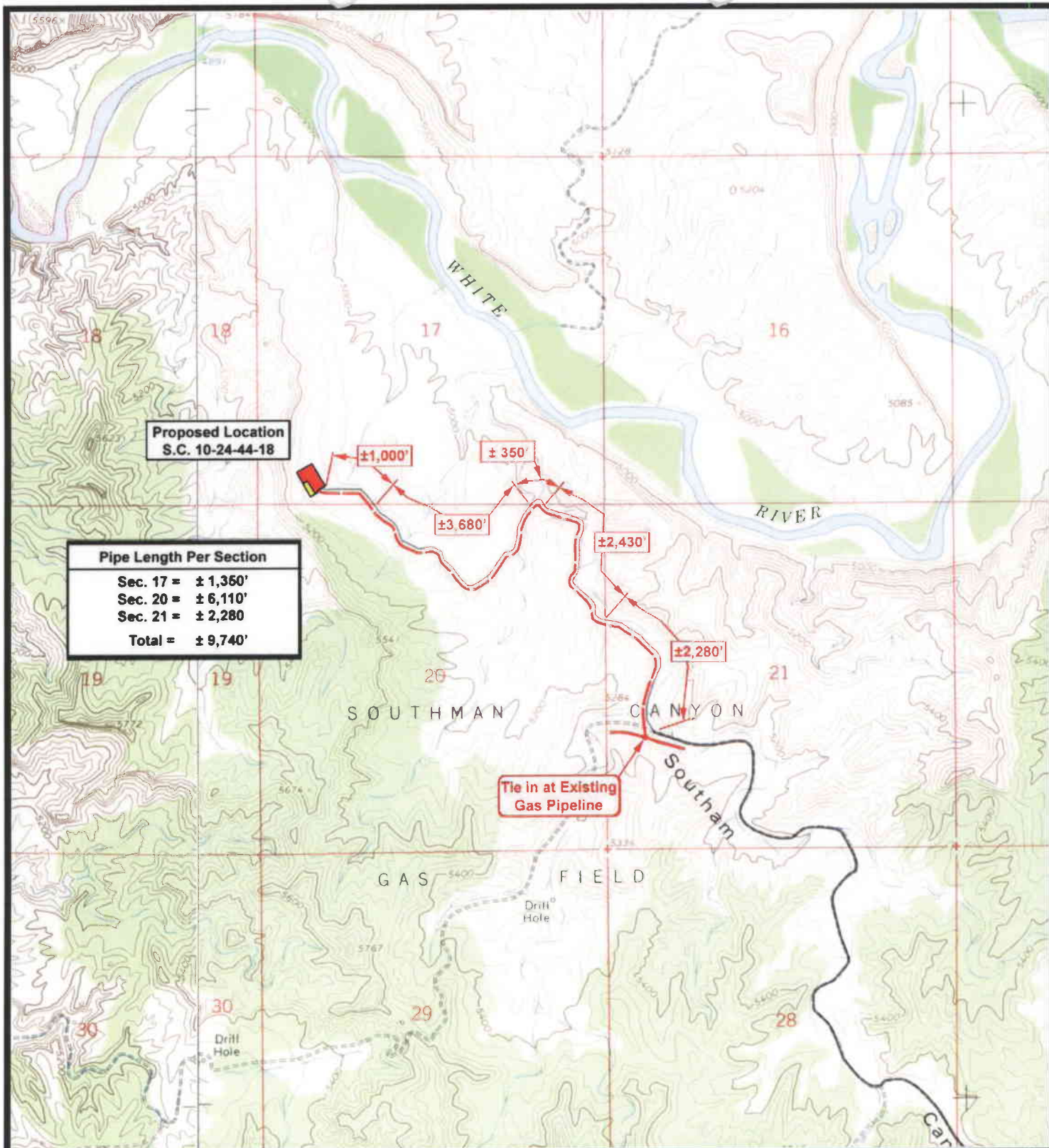
TOPOGRAPHIC MAP

"C"

SHEET

9

OF 10



ENDURING RESOURCES

Southam Canyon 10-24-44-18
BHL: Sec. 17, T10S, R24E, S.L.B.&M.
(SHL: Sec. 18, T10S, R24E, S.L.B.&M.)



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 07-06-2006

Legend

— Roads
 — Existing Gas Line
 - - - Proposed Gas Line

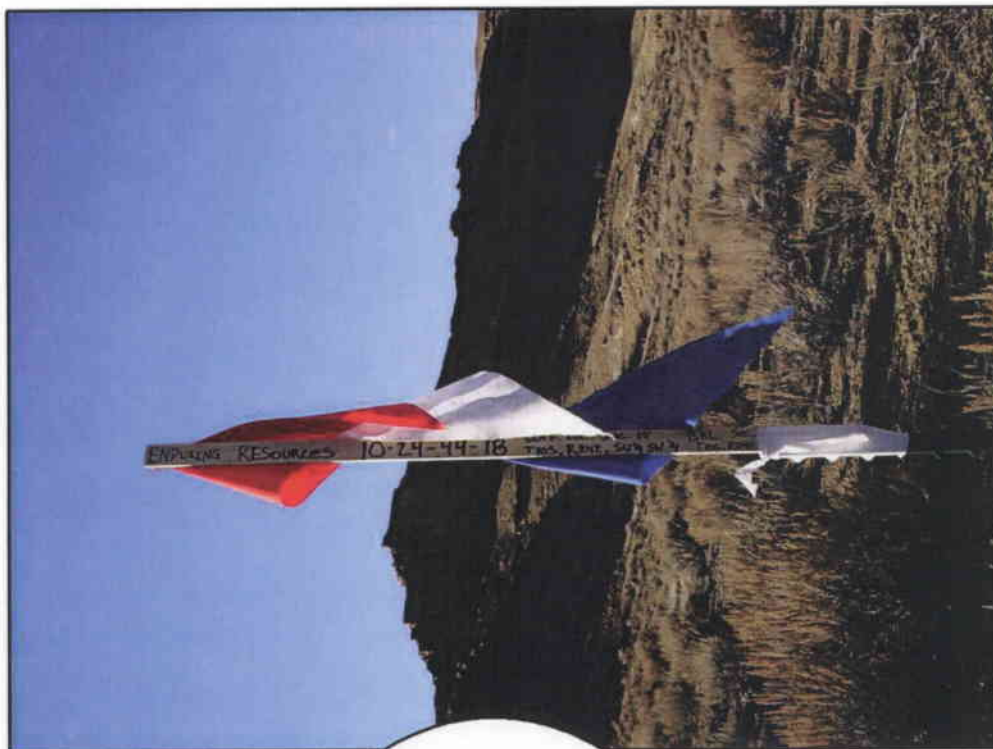
TOPOGRAPHIC MAP

"D"

SHEET

10

OF 10



CENTER STAKE


ENDURING RESOURCES
S.C. 10-24-44-18

Date Photographed: 03/06/2006

Date Drawn: 03/08/2006

Drawn By: mw


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078



NORTH

Date Photographed: 03/06/2006

Date Drawn: 03/08/2006

Drawn By: mw

EAST



ENDURING RESOURCES

S.C. 10-24-44-18

Tri-State
Land Surveying Inc.

(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078





SOUTH

Date Photographed: 03/06/2006

Date Drawn: 03/08/2006

Drawn By: mw

WEST



ENDURING RESOURCES

S.C. 10-24-44-18



Tri-State
Land Surveying Inc.

(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/14/2006

API NO. ASSIGNED: 43-047-38373

WELL NAME: SOUTHAM CYN 10-24-44-18

OPERATOR: ENDURING RESOURCES, LLC (N2750)

CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

SWSW 17 100S 240E

SURFACE: 0381 FSL 0871 FWL

BOTTOM: 0657 FSL 0661 FEL Sec 18

COUNTY: Uintah

LATITUDE: 39.94270 LONGITUDE: -109.2435

UTM SURF EASTINGS: 650066 NORTHINGS: 4422664

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-75121

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000173)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 49-2215)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.

Unit: _____

☐ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception

☐ Drilling Unit

Board Cause No: _____

Eff Date: _____

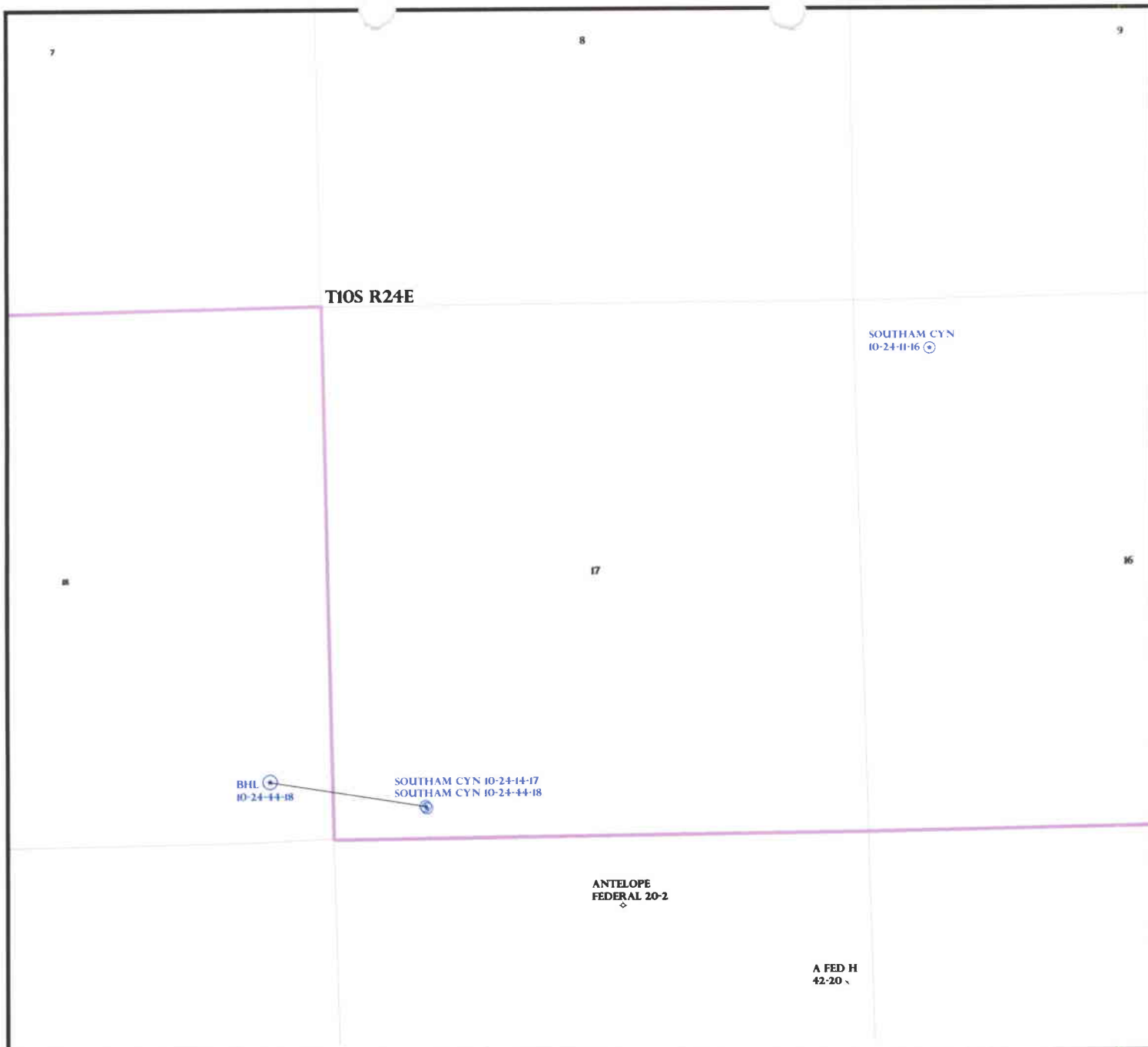
Siting: _____

☒ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Federally Approved

2- Spacing SEP



OPERATOR: ENDURING RES LLC (N2570)

SEC: 17 T.10S R. 24E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 25-JULY-2006

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-75121

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
n/a

7. UNIT or CA AGREEMENT NAME:
n/a

8. WELL NAME and NUMBER:
Southam Canyon 10-24-44-18

9. API NUMBER:
4304738373

10. FIELD AND POOL, OR WILDCAT:
Undesignated

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:
475 17th Street, Suite 1500 CITY: Denver STATE: CO ZIP: 80202

PHONE NUMBER:
(303) 350-5719

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 381' FSL - 871' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 18 10S 24E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 7/27/2007
TO: 7/27/2008

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-26-07
By: [Signature]

NAME (PLEASE PRINT) Evette Bissett

TITLE Regulatory Affairs Assistant

SIGNATURE [Signature]

DATE 7/24/2007

(This space for State use only)

RECEIVED

JUL 26 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738373
Well Name: Southam Canyon 10-24-44-18 **7**
Location: 381' FSL - 871' FWL, SWSW, Sec 18, T10S-R24E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Gustav Bissett
Signature

7/24/2007
Date

Title: Regulatory Affairs Assistant

Representing: Enduring Resources, LLC

RECEIVED
JUL 26 2007
DIV. OF OIL, GAS & MINING



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

July 27, 2006

Enduring Resources, LLC
475 17th St., Ste. 1500
Denver, CO 80202

Re: Southam Canyon 10-24-44-18 Well, Surface Location 381' FSL, 871' FWL,
SW SW, Sec. 17, T. 10 South, R. 24 East, Bottom Location 657' FSL,
661' FEL, SE SE, Sec. 18, T. 10 South, R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38373.

Sincerely,

A handwritten signature in cursive script, appearing to read "K. Michael Hunt".

For

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Enduring Resources, LLC
Well Name & Number Southam Canyon 10-24-44-18
API Number: 43-047-38373
Lease: UTU-75121

Surface Location: SW SW **Sec.** 17 **T.** 10 South **R.** 24 East
Bottom Location: SE SE **Sec.** 18 **T.** 10 South **R.** 24 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/ut/st/en/fo/vernal/html>



IN REPLY REFER TO:

3160

UT08300

May 20, 2008

Alvin R. (Al) Arlian
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, CO 80202

43-047-38373

Re: Notice of Expiration
Well No. Southman Canyon 10-24-44-31
(Formerly Southman Canyon 16-31-10-24)
SESE, Sec. 31, T10S, R24E
Uintah County, Utah
Lease No. UTU-65371

Dear Mr. Arlian:

The Application for Permit to Drill (APD) the above-referenced well was approved on June 8, 2005. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until June 8, 2007. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

Cindy Severson

Cindy Severson
Land Law Examiner

cc: UDOGM

RECEIVED

MAY 23 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

CONFIDENTIAL

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 381' FSL - 871' FWL		8. WELL NAME and NUMBER: Southam Canyon 10-24-44-18
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 17 18 10S 24E S		9. API NUMBER: 4304738373
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
STATE: UTAH		

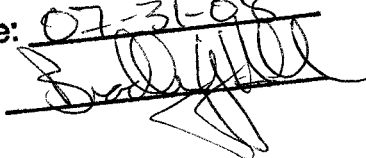
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 7/26/2008
TO: 7/26/2009

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-31-08
By: 

NAME (PLEASE PRINT) Alvin R. (AI) Arian	TITLE Landman
SIGNATURE 	DATE 6/25/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 8.4.2008

Initials: KS

(See Instructions on Reverse Side)

RECEIVED

JUL 25 2008

DIV. OF OIL, GAS & MINING

RESET

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738373
Well Name: Southam Canyon 10-24-44-18
Location: 381' FSL - 871' FWL, SWSW, Sec 18, T10S-R24E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

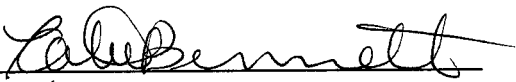
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

6/25/2008

Date

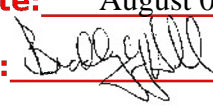
Title: Administrative Assistant

Representing: Enduring Resources, LLC

RECEIVED

JUL 25 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: Enduring Resources, LLC		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 , Denver, CO, 80202		8. WELL NAME and NUMBER: SOUTHAM CYN 10-24-44-18			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0381 FSL 0871 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 17 Township: 10.0S Range: 24.0E Meridian: S		9. API NUMBER: 43047383730000			
PHONE NUMBER: 303 350-5114 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/31/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Request an one-year extension to APD term.					
Approved by the Utah Division of Oil, Gas and Mining					
Date: August 04, 2009					
By: 					
NAME (PLEASE PRINT) Alvin Arlian	PHONE NUMBER 303 350-5114	TITLE Landman-Regulatory			
SIGNATURE N/A	DATE 7/31/2009				

RECEIVED July 31, 2009



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047383730000

API: 43047383730000

Well Name: SOUTHAM CYN 10-24-44-18

Location: 0381 FSL 0871 FWL QTR SWSW SEC 17 TWP 100S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Alvin Arlian

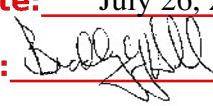
Date: 7/31/2009

Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

Date: August 04, 2009

By: 

RECEIVED July 31, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: Enduring Resources, LLC		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 , Denver, CO, 80202		8. WELL NAME and NUMBER: SOUTHAM CYN 10-24-44-18			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0381 FSL 0871 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 17 Township: 10.0S Range: 24.0E Meridian: S		9. API NUMBER: 43047383730000			
PHONE NUMBER: 303 350-5114 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/27/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Request for an one-year extension to APD termination date.					
Approved by the Utah Division of Oil, Gas and Mining					
Date: July 26, 2010					
By: 					
NAME (PLEASE PRINT) Alvin Arlian		PHONE NUMBER 303 350-5114			
SIGNATURE N/A		TITLE Landman-Regulatory			
DATE 7/26/2010					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047383730000

API: 43047383730000

Well Name: SOUTHAM CYN 10-24-44-18

Location: 0381 FSL 0871 FWL QTR SWSW SEC 17 TWP 100S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Alvin Arlian

Date: 7/26/2010

Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

Date: July 26, 2010

By: 

RECEIVED July 26, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: Enduring Resources, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 , Denver, CO, 80202		8. WELL NAME and NUMBER: SOUTHAM CYN 10-24-44-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0381 FSL 0871 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 17 Township: 10.0S Range: 24.0E Meridian: S		9. API NUMBER: 43047383730000
9. FIELD and POOL or WILDCAT: NATURAL BUTTES		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/27/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 Request an one-year extension to APD termination date.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08/01/2011

By:

NAME (PLEASE PRINT) Alvin Arlian	PHONE NUMBER 303 350-5114	TITLE Landman-Regulatory
SIGNATURE N/A	DATE 7/25/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047383730000

API: 43047383730000

Well Name: SOUTHAM CYN 10-24-44-18

Location: 0381 FSL 0871 FWL QTR SWSW SEC 17 TWP 100S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Alvin Arlian

Date: 7/25/2011

Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

RECEIVED Jul. 25, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: SOUTHAM CYN 10-24-44-18
2. NAME OF OPERATOR: Enduring Resources, LLC		9. API NUMBER: 43047383730000
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0381 FSL 0871 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 17 Township: 10.0S Range: 24.0E Meridian: S		COUNTY: Uintah STATE: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/27/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div> Request for an one-year extension to APD expiration date. </div> <div style="text-align: right;"> Approved by the Utah Division of Oil, Gas and Mining Date: July 30, 2012 By: </div> </div>		
NAME (PLEASE PRINT) Alvin Arlian		PHONE NUMBER 303 350-5114
SIGNATURE N/A		TITLE Landman-Regulatory DATE 7/26/2012



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047383730000

API: 43047383730000

Well Name: SOUTHAM CYN 10-24-44-18

Location: 0381 FSL 0871 FWL QTR SWSW SEC 17 TWNP 100S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
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- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Alvin Arlian

Date: 7/26/2012

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75121
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3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700 , Denver, CO, 80202		8. WELL NAME and NUMBER: SOUTHAM CYN 10-24-44-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0381 FSL 0871 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 17 Township: 10.0S Range: 24.0E Meridian: S		9. API NUMBER: 43047383730000
9. FIELD and POOL or WILDCAT: NATURAL BUTTES		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/27/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Request for an one-year extension to APD expiration date.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: July 29, 2013

By:

NAME (PLEASE PRINT) Alvin Arlian	PHONE NUMBER 303 350-5114	TITLE Landman-Regulatory
SIGNATURE N/A	DATE 7/24/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047383730000

API: 43047383730000

Well Name: SOUTHAM CYN 10-24-44-18

Location: 0381 FSL 0871 FWL QTR SWSW SEC 17 TWNP 100S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 7/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Alvin Arlian

Date: 7/24/2013

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 25, 2014

43 047 38373
Southern Cyn 10-24-44-18
17 10S 24E

Al Arlian
Enduring Resources, LLC
511-16th Street, Suite 700
Denver, CO 80202

Re: APDs Rescinded for Enduring Resources, LLC., Uintah County

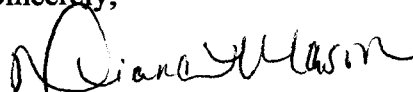
Dear Mr. Arlian:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective July 17, 2014.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal



43-047-38348 Southman Cyn 10-24-11-16
43-047-38387 Sand Wash 12-22-22-26
43-047-38388 Sand Wash 12-22-33-23
43-047-38373 Southam Cyn 10-24-44-18
43-047-38397 Rainbow 11-24-31-29





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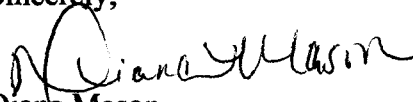
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